Name:

p1103: Expand Product of Linear Binomials (v1)

Question 1

Expand the product of linear binomials. $(x + 9)(x - 7)$

$$x^2 - 7x + 9x - 63$$

$$x^2 + 2x - 63$$

Question 2

Expand the product of linear binomials. $(x - 2)(x - 7)$

$$x^2 - 7x - 2x + 14$$

$$x^2 - 9x + 14$$

Question 3

Expand the product of linear binomials. $(x - 2)(x - 3)$

$$x^2 - 3x - 2x + 6$$

$$x^2 - 5x + 6$$

Question 4

Expand the product of linear binomials. $(-5x - 5)(-6x - 7)$

$$30x^2 + 35x + 30x + 35$$

$$30x^2 + 65x + 35$$

Question 5

Expand the product of linear binomials. $(9x + 9)(5x - 5)$

$$45x^2 - 45x + 45x - 45$$

$$45x^2 - 45$$

Question 6

Expand the product of linear binomials. $(x+1)(x+3)$

$$x^2+3x+x+3$$

$$x^2+4x+3$$

Question 7

Expand the product of linear binomials. $(-6x+4)(-4x+9)$

$$24x^2-54x-16x+36$$

$$24x^2-70x+36$$

Question 8

Expand the product of linear binomials. $(x-9)(x+8)$

$$x^2+8x-9x-72$$

$$x^2-x-72$$

Question 9

Expand the product of linear binomials. $(7x+3)(6x-8)$

$$42x^2-56x+18x-24$$

$$42x^2-38x-24$$

Question 10

Expand the product of linear binomials. $(-2x-6)(6x+1)$

$$-12x^2-2x-36x-6$$

$$-12x^2-38x-6$$